

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES		
2. AMENDMENT/MODIFICATION NO.			3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY			CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(X)		9A. AMENDMENT OF SOLICITATION NO.		
						9B. DATED (SEE ITEM 11)		
						10A. MODIFICATION OF CONTRACT/ORDER NO.		
						10B. DATED (SEE ITEM 11)		
CODE			FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS								
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.								
12. ACCOUNTING AND APPROPRIATION DATA (If required)								
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.								
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).							
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
	D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.								
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)								
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)				
15B. CONTRACTOR/OFFEROR				15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		
(Signature of person authorized to sign)						(Signature of Contracting Officer)		
				16C. DATE SIGNED				

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

1. The specifications and drawings for Invitation No. W912HY-04-B-0007, Levee Construction, Placement Areas Nos. 25B and 27B in Orange and Jefferson Counties, Texas, Sabine-Neches Waterway, Texas, advertised 6 January 2004, and for which bids are scheduled to be opened on 6 February 2004, are hereby modified as follows:

(a) Specifications.

(1) Amendment No. 0001. - Delete this Amendment as the information is being incorporated into this Amendment No. 0002.

(2) Page 01100-1, Paragraph 1. - In the fifth line, after the words "Notice to Proceed.", insert the following sentence: "The work at Placement Area No. 27B shall be completed by 1 June 2004."

(3) Page 02232-1, Paragraph 3.2. - Delete this Paragraph and substitute the following therefor:

"3.2 DISPOSITION OF CLEARED MATERIALS. Materials obtained from clearing and removal of debris shall be disposed by burying the material within an abandoned portion of the Placement Area as directed."

(4) Page 02235-2, Paragraph 3.2. - Delete this Paragraph in its entirety and substitute the following therefor:

"3.2 EXCAVATION. Borrow material shall be obtained from borrow areas. Borrow excavation shall consist of excavation sufficient to obtain the required fill material for construction of the levee. Excavation within 50 feet of the levee toe will not be allowed. Borrow excavation shall proceed in a continuous fashion parallel with the levee alignment."

(5) SECTION 02331. - Delete this Section and substitute the enclosed new SECTION 02331 entitled EMBANKMENT CONSTRUCTION therefor.

(6) Page 02700-1, Paragraph 1.1. - Delete this Paragraph and substitute the following therefor:

"1.1 SCOPE OF WORK. The work covered in this Section consists of furnishing plant, labor, materials, and equipment and performing the operations in connection with repair and raising two (2) existing Drop-outlet Structures at Placement Area No. 25B and removing, salvaging, and replacing the two (2) existing Drop-outlet Structures, including pipes, with one (1) new Drop-outlet Structure at Placement Area No. 27B, using material salvaged from both of the removed structures, except the pipe for the new Drop-outlet Structure shall be new steel pipe as specified in the SECTION entitled PIPE. The term "Drop-outlet Structure" shall include Support Stanchions, Support Bracing, Concrete, Walkways, Handrails, and Discharge Pipe as shown."

(b) Drawings.

(1) Sheet No. 3 of 15, TYPICAL LEVEE SECTION. - Manually change "35' to 35' MIN" for Borrow Area.

(2) Sheet 8 of 15, TYPICAL LEVEE SECTION. - Manually change "35' to 35' MIN" and "8' MAX to 3' MAX" for Borrow Area.

(3) Sheet 12 of 15, TABLE 1. - In the Columns Row, manually change "W8x58" to "W8x18."

(4) Sheet 13 of 15, GENERAL NOTES. - Manually add the following Note 13 to this Drawing:

"13. CONTRACTOR SHALL SALVAGE W8x18 MEMBERS, HANDRAIL, ASSEMBLIES, AND MAINTENANCE PLATFORM ASSEMBLY FROM EXISTING W8x58 OUTFALL STRUCTURE. CONTRACTOR SHALL REMOVE ADDITIONAL EXISTING W8x18 OUTFALL STRUCTURE BY METHOD OF TORCH CUT ABOVE THE EXISTING SLAB, AND SHALL REUSE EXISTING MATERIALS SALVAGED FROM THE EXISTING W8x58 OUTFALL STRUCTURE IN THE SECTION OF THE NEW W8x18 OUTFALL STRUCTURE AS INDICATED. REMAINING W8x58 PILES AND CORRUGATED METAL PIPE SECTIONS SHALL BE REMOVED TO LANDFILL AND THE REMAINING SLABS SHALL BE ABANDONED IN PLACE."

2. This amendment shall be attached to, and become a part of, the specifications.

Encl
SECTION 02331

TABLE OF CONTENTS**SITE WORK****SECTION 02331 - EMBANKMENT CONSTRUCTION**

<u>PARAGRAPH</u>	<u>TITLE</u>	<u>PAGE NOS.</u>
PART 1 - GENERAL		
1.1	SCOPE OF WORK	02331-01
1.2	REFERENCES.	02331-01
1.3	PROTECTION OF EXISTING SERVICE LINES AND UTILITY STRUCTURES.	02331-01
1.4	CHANGES IN LEVEE ALIGNMENT.	02331-01
1.5	MEASUREMENT.	02331-01
1.6	PAYMENT.	02331-02
PART 2 - PRODUCTS		
2.1	EQUIPMENT.	02331-02
2.2	MATERIALS	02331-02
PART 3 - EXECUTION		
3.1	FOUNDATION PREPARATION.	02331-03
3.2	EMBANKMENT CONSTRUCTION.	02331-03
3.3	GRADE TOLERANCES AND SHRINKAGE ALLOWANCES FOR EMBANKMENTS.	02331-04
3.4	EROSION AND SLIDES.	02331-04
3.5	CONTRACTOR QUALITY CONTROL.	02331-04

SECTION 02331 - EMBANKMENT CONSTRUCTION

PART 1 - GENERAL

1.1 SCOPE OF WORK. The work covered in this Section consists of furnishing plant, labor, and equipment and performing the operations in connection with construction of levees as shown.

1.2 REFERENCES. The publication listed below forms a part of this specification to the extent referenced. The publication is referred to in the text by basic designation only.

American Society for Testing and Materials (ASTM) Publication.

D 2487-00	Classification of Soils for Engineering Purposes (Unified Soil Classification System).
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1.3 PROTECTION OF EXISTING SERVICE LINES AND UTILITY STRUCTURES. Existing utility lines that are shown or the locations of which are made known to the Contractor prior to excavation and that are to be retained, as well as utility lines constructed during excavation operations, shall be protected from damage during excavation and backfilling and if damaged, shall be repaired by and at the expense of the Contractor. If the Contractor damages existing utility lines that are not shown, or the locations of which are not known to the Contractor, report of this damage shall be made immediately to the Contracting Officer. If it is determined that repairs shall be made by the Contractor, these repairs will be ordered in accordance with the CONTRACT CLAUSE entitled CHANGES.

1.4 CHANGES IN LEVEE ALIGNMENT. The right is reserved to make changes in the levee alignment as may be found necessary before completion of the work, but if it becomes necessary, through no fault of the Contractor, to abandon a line or location on which work has been done, payment for materials placed shall be made as specified in the Paragraph: PAYMENT, below.

1.5 MEASUREMENT.

1.5.1 Embankment and Fill Materials. Uncompacted levee embankment materials shall not be measured for payment.

1.5.2 Stripping and Clearing of existing levees, foundation areas, and borrow areas and placement of stripped material shall not be measured for payment.

1.5.3 Borrow Area Excavation for uncompacted fill shall not be measured for payment.

1.6 PAYMENT.

1.6.1 Mobilization and Demobilization. Payment for this item will be made pursuant to the conditions of the SPECIAL CONTRACT REQUIREMENTS, STANDARD CLAUSE entitled MOBILIZATION AND DEMOBILIZATION.

1.6.2 Drainage and Foundation Preparation. No separate payment will be made for drainage or foundation preparation.

1.6.3 Uncompacted Fill Levee Construction. Payment for excavation and placement of uncompacted levee fill for construction will be made at the contract lump sum price for “Levees, Drop-outlets, and Ditches (Placement Area No. 25B)” and “Levees, Drop-outlets, and Ditches (Placement Area No. 27B),” which shall include the costs of labor, material, and equipment associated with the construction.

PART 2 - PRODUCTS

2.1 EQUIPMENT.

2.1.1 Crawler-type Tractors used for spreading and compacting at Placement Area No. 27B shall weigh not less than 30,000 pounds, shall exert a unit tread pressure of not less than 7 pounds per square inch and shall not be operated at a speed to exceed 5 miles per hour.

2.1.2 Power-driven Tampers. Compaction of material in areas where it is impracticable to use a crawler-type tractor shall be performed by the use of approved power-driven tampers of the rammer type having a static weight of at least 70 pounds or by approved hydraulic actuated tractor-mounted tampers.

2.1.3 Miscellaneous Equipment. Scarifiers, disks, motorized graders, spreaders, and other equipment shall be of approved types, suitable for construction of levee embankment. Trucks, scrapers, and other types of earth-hauling equipment, if used, shall be of approved types suitable for construction.

2.1.4 Marsh Equipment. Equipment to be used to perform borrow excavation and levee construction at Placement Area No. 25B shall be capable of operating in marsh conditions

2.2 MATERIALS.

2.2.1 Satisfactory Materials for construction of the un-compacted embankments shall consist of cohesive materials, including clay and sandy or silty clays and clayey silts classified as CH, CL, SC, SP, SM, MH, or ML in accordance with ASTM D 2487.

PART 3 - EXECUTION

3.1 FOUNDATION PREPARATION. No embankment foundation preparation, other than specified clearing and stripping, will be required for levee construction.

3.2 EMBANKMENT CONSTRUCTION.

3.2.1 General. Levees for both Placement Areas shall be raised to the elevations as shown, using suitable material from side-ditch borrow excavation. Levees shall have minimum 1 Vertical to 3 Horizontal slopes. The Placement Areas shall be constructed to a minimum 10-foot crown width as shown. When borrowing material adjacent to the levees in the Placement Areas, a minimum berm of 50 feet shall be provided between the toe of the levee and borrow area. Borrow areas and areas to receive fill shall be stripped of vegetation to ensure proper bonding of material. The borrow areas shall have minimum side slopes of 1 Vertical to 3 Horizontal. The levees shall be constructed utilizing borrow materials at their natural moisture content. However, if in the Contracting Officer's opinion, the material becomes excessively wetted or dried, the Contractor shall take the steps necessary to dry or wet the material before continuing with construction of the levees.

3.2.2 Uncompacted Fill at Placement Area No. 25B. Fill material obtained from within limits of borrow areas as shown or from approved alternate areas shall be placed to the minimum lines and elevations shown using approved equipment and methods. At some locations where weaker, less cohesive materials are encountered construction to minimum grade may require material placement to be done in two (2) or more stages, to allow for drainage of excess water, prior to attempting to place material to additional height. After placement of material to the required minimum grade, the surface of the fill shall be smoothed and compacted with the excavator bucket. The crown of the levees shall be sufficiently smooth and sloped toward the edges of the crown so that water will drain from the surface and not collect in ponds atop the crown. In areas where material contains a high amount of organic silt or sand and may run during placement, the material shall be initially stacked as high as possible above the water surface to allow for drainage of excess water and development of some apparent cohesion within the material prior to final shaping.

3.2.3 Uncompacted Fill at Placement Area No. 27B. Satisfactory material obtained from excavation of the side-ditch borrow areas shall be used for levee construction at the locations shown. Material shall be excavated using draglines, dozers or other suitable equipment and carried, pushed, relayed or otherwise transported to the levee lines and placed in layers not to exceed 2 feet in thickness. The layers so placed shall be spread, distributed, and otherwise manipulated during placement to the extent that voids in the fill will be eliminated. After placement of sufficient material, shaping of the levee surface may be accomplished using a crawler-type tractor or dragline bucket. When borrowing material adjacent to the levee, a minimum 25-foot length of undisturbed earth shall be left at intervals of approximately 400 feet. Side-ditch borrow area excavation shall be

extended toward the interior of the Placement Areas as required to obtain sufficient cast fill.

3.3 GRADE TOLERANCES AND SHRINKAGE ALLOWANCES FOR EMBANKMENTS. Except as otherwise specified herein, levees shall be constructed to the net grades and cross sections shown, without the addition of allowance for shrinkage of the fill. At all points an allowance of 1/2 of 1-foot above the prescribed grade will be permitted in the final dressing, provided that there are no abrupt humps or depressions in the sloped surfaces or bulges in the width of the crown.

3.4 EROSION AND SLIDES. If there is erosion or sliding of any part of the levee during its construction or after its completion but prior to its acceptance, the Contractor shall, upon written order of the Contracting Officer, rebuild that portion of the levee. If the slide is caused through fault of the Contractor, the foregoing operations shall be performed without cost to the Government. If the slide or erosion is due to no fault of the Contractor the yardage replaced will be paid for as specified in the Paragraph: PAYMENT, above, in addition to payment due the Contractor for materials previously placed. Where settlement of the embankment due to weak foundation conditions develops to an extent that will make inadvisable, in the opinion of the Contracting Officer, continuation of placement of additional materials, the Contracting Officer will have the right to omit further work on these portions of the embankment and to accept it as completed.

3.4.1 Levee Volume. The following "Neatline Volumes" have been used by the U.S. Army Corps of Engineers to prepare this Government estimate. These are estimated volumes only and it is the Contractor's responsibility to interpret the volume numbers used to prepare an estimate for bid opening. "Neatline Volumes" is defined as the unadjusted, raw quantities computed from the levee templates. The percentage for items including overbuilding, compaction, settlement, foundation displacement, and construction waste shall be the responsibility and decision of the Contractor. The volume figures for the various Placement Areas in this contract are as follows:

PLACEMENT AREA NO.	LEVEE VOLUMES
25B	72,400 Cubic Yards
27B	51,200 Cubic Yards

3.5 CONTRACTOR QUALITY CONTROL.

3.5.1 Compliance Inspection. The Contractor shall inspect for compliance with the contract requirements and record the inspection of operations including, but not limited to, the following:

- (1) Materials – Satisfactory and unsatisfactory materials
- (2) Foundation Preparation - Drainage of water and drying; stripping

- (3) Levee Construction - Layer thickness; lines and grades; proper compaction.

3.5.2 Records. A copy of the records of inspections and tests, as well as the records of corrective action taken, shall be submitted as directed.

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